

## Personal information

Surname(s) / First name(s)

Email(s)

Nationality(-ies)

Date of birth

**Luna Duran José Carlos**

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Spanish

27th October 1979

## Work Experience

- Dates
- Name and address of employer
- Position held
- Main activities

January 2008 . . .

CERN, European Organization for Nuclear Research. Geneva, Switzerland.  
<http://www.cern.ch>.

Section Leader IT-CS-CT, Communication Systems, Communication Tools.

- Section leader of IT-CS-CT (IT, Communication Systems, Communication Tools), coordinator and person in charge of all the software development activities in the group, supervising a team of 9 persons. The total code base of our applications is over one million LOC (lines of code).
- Implantation of the necessary measures and development frameworks to ensure the knowledge transfer in the section (documentation, coaching and effective/constant manpower planning).
- Definition of strategies and engineering of applications and databases for network management. These critical components are responsible for the configuration and management of CERN networking infrastructures at large. They sustain and support the activities of the group enabling to run the whole CERN networking and telecom infrastructure smoothly and with a high degree of automation.
- Contact person for CS security and representing networking group in security for controls meetings, where the experiments, the security team and several other groups in IT are also represented.
- Engineering of applications and solutions for network management. (Perl, Java, Spring, Hibernate, Oracle).

- Dates
- Name and address of employer
- Position held
- Main activities

September 2004 . . . March 2007

CERN, European Organization for Nuclear Research. Geneva, Switzerland.  
<http://www.cern.ch>.

Software Engineer (Fellowship programme) in IT-CS-NS, Communication Systems, Network Services.

Analysis, design and implementation of applications for network support. Creation of a system, written in perl with OOP, which detects discrepancies between IT-CS network database and other sources of information (Human Resources, SNMP data from network equipment). This detector is connected to a web-driven application which contacts end users and allows them to fix the discrepancies using a guided solution approach. As a result, thanks to the guided help of this users, the quality of the data handled by the network database has and constantly will be improved.

- Dates
- Name and address of employer
- Position held

March 2003 . . . April 2004

CERN, European Organization for Nuclear Research. Geneva, Switzerland.  
<http://www.cern.ch>.

Technical Student Programme in IT-CS-IO, Communications and systems, Infrastructure and Operations.

- Main activities

Analysis, design, development and maintenance of a heavily used SOAP and web-driven system for network management and consultation. This interface is part of a complex mesh of interconnected applications in our group and serves as the link that exposes our data to the rest of the CERN community.

- Dates

June 2000 . . . January 2001

- Name and address of employer

ITCOM S.L., Castellón. Spain. <http://www.itcom.com>.

- Position held

Software developer

- Main activities

- Part of the developing team designing and developing a PERL web-driven configuration toolset for administering and setting-up linux boxes and services (Users, Mailboxes, DNS names, web, file sharing,...).
- Wireless (802.11b) connectivity deployment with linux end-points.
- Design and implementation of a PHP/MySQL database application for managing enterprise contacts.

## Education

- Date

January 2008 . . . October 2008

- Institution

Universitat Oberta de Catalunya. <http://www.uoc.edu> Spain.

- Title of qualification awarded

post-graduate courses in Object Oriented Programming (UML), Design Patterns and user interfaces.

- Date

October 2005 . . . July 2006

- Date

November 2005 . . . July 2006

- Institution

Universitat Oberta de Catalunya. <http://www.uoc.edu> Spain.

- Title of qualification awarded

Post-graduate course in computer security. (ISO 17799, UNE 71502, ISO 27001, MAGERIT, LOPD, LSSIce).

- Date

1997 . . . 2004

- Institution

Jaume I University, Castellón. Spain. <http://www.uji.es>.

- Title of qualification awarded

M.Sc. in Computer Science.

## Diplomas

- Date

April 2008

- Institution

Sun Microsystems <http://sun.com/training/>.

- Award

SCJP 5.0 (Sun Certified Java Programmer) certificate.

- Date

February 2007

- Institution

Oracle University <http://education.oracle.com/>.

- Award

OCA (Oracle Certified Associate) certificate.

- Date

November 2006

- Institution

BSI - British Standards Institute <http://www.bsi-global.com/>.

- Award

ISO/IEC 27001:2005 (Information Security Management Systems) Lead Auditor Certificate.

- Date

June 2006

- Institution

Cisco Systems. <http://www.cisco.com>

- Award
- Date
- Institution
- Award
- Date
- Institution
- Award
- Date
- Institution
- Award
- Date
- Institution
- Award

CCNA (Cisco Certified Network Associate) certification.

May 2006

Ministère de l'éducation nationale, de l'enseignement supérieur et de la recherche. France.

Diploma: DELF (Diplme d'études en langue française) Niveau B2.

1997

Conselleria d'ocupació, Industria i comerç de la Generalitat Valenciana. Spain.

Diploma: Computed Assisted Design (CAD) Course (300 hours).

1997

ANQUE. Asociación Nacional de Químicos de España. <http://www.anque.es/>. Chemistry Association. Spain.

3rd Classified in local phase and bronze medal (top 60) in national phase of the Chemistry Olympics.

1996

Conselleria de treball i afers socials de la Generalitat Valenciana. Spain.

Diploma: Networking, Internet and E-mail course (400 hours).

## Additional Training

- Date
- Institution
- Description

November 2006

Oracle University, <http://education.oracle.com>.

Database administrator course.

## Personal Skills

Mother tongue(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**French**

**Catalonian**

## Spanish

Understanding		Speaking				Writing
Listening	Reading	Spoken interaction		Spoken production		
C1 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	
B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	
C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## OPERATING SYSTEMS

DOS, Windows Family ( 3.x / 95 / 98 / NT / 2000 / XP\* / 7), UNIX and derivatives ( Linux\* (user since '97) /BSD family / AIX / MacOS 10.6\* ).

\* = highly skilled

## PROGRAMMING LANGUAGES

**Expert:** Java, Javascript , PERL, PL/SQL, Python, ANSI SQL, scripting(\*sh,awk,...).

**Highly skilled:** ASM x86, C, PHP.

**Medium skilled:** Pascal, C++, VisualBasic.

*Expert:* >3 years of experience. *Highly skilled:* Between 1 and 3 years or recent experience, *Medium Skilled:* <1 year or no recent experience.

## INFORMATION SECURITY

Firewalls(packet filtering), security audit, hardening, forensics, ISO27001, code audit, reverse engineering and debugging (win32: ollydbg, IDA. linux: gdb, objutils).

DATABASES

Oracle, MySQL, PostgreSQL.

OTHER

Expert on TCP/IP and network services. System administration. OOP and UML. XML, SOAP and webservices. Java Spring and Hibernate frameworks. HTML, CSS and XSLT.  $\LaTeX$ .

DRIVING LICENSE

Type B (European)

## Additional Information

Dates

### ADITEL ASSOCIATION

1998 ...

Description

Founding member of ADITEL <http://www.aditel.org>, an association that encourages the development and use of computing and communications, supporting the open source movement and developing a community of computer enthusiasts with same interests. Setting up events like iParty (installation party), which was born in 1999 for helping beginners to setup up their own linux installation. Currently the iParty (held every year since) has conferences, workshops and competitions. <http://iparty.aditel.org>. Three years as part of the staff and the treasurer charge.

Description

### COMPUTER SECURITY COMPETITION AND RESEARCH

- Responsible of organizing the security contests in the following events in Spain: iparty 2002 <http://iparty.aditel.org/>, Campus Party 2002 <http://www.campus-party.org/>, iparty 2003, iparty 2004, rootedcon 2010 <http://www.rootedcon.es/>.
- Security research, published Proof of Concept codes and reporting found vulnerabilities and patches to the appropriate vendors through responsible disclosure, which in return credited my findings in their security advisories (e.g.: TWiki CVE: CAN-2005-3056, details: <http://securitytracker.com/alerts/2005/Sep/1014983.html>, Multiple IBM AIX vulnerabilities CVE: CAN-2003-0257, details: <http://securitytracker.com/alerts/2003/May/1006756.html>,...).
- Until end 2009 I was member of a security team named pandas (with name variations) where we have qualified three times for Defcon finals international CTF competition in Las Vegas, USA (2007 3rd place, 2008 7th place, 2009 5th place, results in finals), Codegate 2009 Korea (2nd place in finals). In this context, I've been the main responsible in the engineering of our team network defending setup and main developer of our software attacking framework (based on python) during these years.
- Founding member of int3pids security team (formed in 2010), we are a team of spanish people interested in computer security (some working professionally in the field), we share knowledge and participate in international security competitions. We ended up 3rd place in the international CTF competition Codegate 2010 in Seoul, Korea <http://www.codegate.org/Eng/>. We got first place on Swiss Cyber Storm 3 Competition in Zurich [https://www.swisscyberstorm.com/mod/news/news\\_0003.html](https://www.swisscyberstorm.com/mod/news/news_0003.html). We also qualified twice for the final phase of Defcon CTF August Las Vegas (2010 declined participation in finals, 2011 5th out of 12 in finals).